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FORM PTO 948 (REV 01-97)

U.S. DEPARTMENT OF COMMERCE-Patent and Trademark Office

Application No. 9/456,042

NOTICE OF DRAFTPERSON'S PATENT DRAWING REVIEW

The drawing filed (insert date) 12-6-99 are:

A. not objected to by the Draftperson under 37 CFR 1.84 or 1.152.

B. objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:
Black ink. Color.

_____ Color drawing are not acceptable until petition is granted.

Fig(s) _____

_____ Pencil and non black ink is not permitted. Fig(s) _____

2. PHOTOGRAPHS. 37 CFR 1.84(h)

_____ Photographs are not acceptable until petition is granted.

_____ 3 full-tone sets are required. Fig(s) _____

_____ Photographs not properly mounted (must bryistol board or photographic double-weight paper). Fig(s) _____

_____ Poor quality (half-tone). Fig(s) _____

3. TYPE OF PAPER. 37 CFR 1.84(e)

_____ Paper not flexible, strong, white and durable.

Fig(s) _____

_____ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not acceptable. (too thin)

_____ Mylar, vellum paper is not acceptable (too thin).

Fig(s) _____

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

_____ 21.0 cm by 29.7 cm (DIN size A4)

_____ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)

_____ All drawings sheets not the same size.

Sheet(s) _____

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
SIZE: A4 Size

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
SIZE: 8 1/2 x 11

_____ Margins not acceptable. Fig(s) 1-1E, 6, 3C, 8A,

Top (T) _____ Left (L) _____

Right (R) _____ Bottom (B) _____

9, 10C-12

6. VIEWS. 37 CFR 1.84(h)

REMINER: Specification may require revision to correspond to drawing changes.

_____ Views connected by projection lines or lead lines.

Fig(s) _____

Partial views. 37 CFR 1.84(h)(2)

_____ Brackets needed to show figure as one entity.

Fig(s) _____

_____ Views not labeled separately or properly.

Fig(s) _____

_____ Enlarged view not labeled separately or properly.

Fig(s) _____

7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)

_____ Hatching not indicated for sectional portions of an object.

Fig(s) _____

_____ Sectional designation should be noted with Arabic or

Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

_____ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned, so that the top becomes the right side, except for graphs. Fig(s) _____

_____ Views not on the same plane on drawing sheet. Fig(s) _____

9. SCALE. 37 CFR 1.84(k)

_____ Scale not large enough to show mechanism with crowding when drawing is reduced in size to two-thirds in reproduction.

Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)

_____ Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (poor line quality).

Fig(s) 1-12

11. SHADING. 37 CFR 1.84(m)

_____ Solid black areas pale. Fig(s) _____

_____ Solid black shading not permitted. Fig(s) _____

_____ Shade lines, pale, rough and blurred. Fig(s) _____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.

37 CFR 1.48(p)

_____ Numbers and reference characters not plain and legible.

Fig(s) 1-12

_____ Figure legends are poor. Fig(s) 1-12

_____ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3) Fig(s) _____

_____ English alphabet not used. 37 CFR 1.84(p)(3) Fig(s) _____

_____ Numbers, letters and reference characters must be at least

.32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)

_____ Lead lines cross each other. Fig(s) _____

_____ Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.48(t)

_____ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) _____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)

_____ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____

16. CORRECTIONS. 37 CFR 1.84(w)

_____ Corrections not made from PTO-948 dated _____

17. DESIGN DRAWINGS. 37 CFR 1.152

_____ Surface shading shown not appropriate. Fig(s) _____

_____ Solid black shading not used for color contrast.

Fig(s) _____

COMMENTS

REVIEWER JC DATE 5-1-00 TELEPHONE NO. 703 365 8430

ATTACHMENT TO PAPER NO. _____

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